



Science Central Exam Practice



Choose the correct answer:

- 1. A conglomerate is an example of which type of rocks?**
 - a. Intrusive igneous rocks
 - b. Sedimentary rocks
 - c. Extrusive igneous rocks
 - d. Metamorphic rocks

- 2. Which properties are most helpful in identifying minerals?**
 - a. Luster and streak
 - b. Weight and shape
 - c. Size and ability to float
 - d. Shape and color

- 3. Which property describe minerals that break along smooth surface?**
 - a. Hardness
 - b. Cleavage
 - c. Fracture
 - d. Color

- 4. Which property can describe how easily a mineral can be scratched?**
 - a. Streak
 - b. Hardness
 - c. Reaction to acid
 - d. Cleavage





Which is the C-horizon of soil made of?

- a. Clay
- b. Humus
- c. Bedrock
- d. Large rocks



6. From which material does an extrusive rock form?

- a. Lava
- b. Magma
- c. Mineral
- d. Sediments

7. Which is strip farming?

- a. Planting grasses between crop rows
- b. Adding fertilizer to the soil
- c. Cutting shelves in hills
- d. Planting trees around crops

8. All are changes that happen in a rock cycle except

- a. Metamorphic rocks → Magma
- b. Igneous rocks → Sediments
- c. Sediments → Sedimentary rocks
- d. Magma → Sedimentary rocks

9. You are trying to find out what kind of mineral you have. You will need a white tile to find out which property?

- a. Color
- b. Streak
- c. Luster
- d. Hardness





10. What causes an igneous rock to change into a metamorphic rock?



- a. Weathering and erosion
- b. Heat and pressure
- c. Compaction and cementation
- d. Melting and cooling

11. A student tested the hardness of four mineral samples by using each sample to scratch the others. Mineral 1 scratched Mineral 2 but would not scratch Mineral 3. Mineral 2 would not scratch any of the other minerals. Mineral 4 scratched Mineral 3. Which list shows the mineral samples in order from the softest to the hardest?

- a. 1,2,3,4
- b. 1,3,4,2
- c. 2,4,1,3
- d. 2,1,3,4

12. A student placed a liquid on a mineral and the mineral began to fizz and bubble. What property was the student investigating?

- a. Reaction to acid
- b. Cleavage
- c. Hardness
- d. Luster





The chart above lists characteristics of the three main rock groups. Which order correctly fills in the left column (top to bottom)?

- Igneous, sedimentary, metamorphic.
- Lava, igneous, metamorphic.
- Sedimentary, metamorphic, igneous
- Igneous, metamorphic, sedimentary

Rock Group	Characteristics
	forms as melted rock cools and hardens into a solid
	forms when rocks are exposed to increases in heat and pressure
	forms when pieces of rocks and minerals are cemented together

14. Copper has hardness of 3 Which minerals would copper most likely scratch?

- Topaz and talc.
- Apatite and diamond
- Gypsum and talc
- Feldspar and quartz

Hardness	Mineral
1	talc
2	gypsum
3	calcite
4	fluorite
5	apatite
6	feldspar
7	quartz
8	topaz
9	corundum
10	diamond

15. Did you enjoy studying science this year?

- Yes 😊
- Not So Much 😞
- No 😬



Best Wishes
Ms. Mariam Galal

